



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M. Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137)U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date	May 12, 2020	EPA Reg. No./File Symbol	95768-X	Page 1 of 4
Applicant's/Registrant's Name & Address	Univertical LLC 203 Weatherhead St. Angola, IN 46703	Product	Copper Sulfate Pentahydrate Crystals	
Ingredient	Copper Sulfate Pentahydrate (PC 024401)			

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550 (61-1)	Product Identity and Composition	51059401	Univertical LLC	OWN	
830.1600 (61-2a)	Description of Materials Used to Produce the Product	51059401	Univertical LLC	OWN	
830.1620 (61-2b)	Description of Production Process	51059401	Univertical LLC	OWN	
830.1650 (61-2b)	Description of Formulation Process	51059401	Univertical LLC	OWN	
830.1670 (61-3)	Discussion of Formation of Impurities	51059401	Univertical LLC	OWN	
830.1700 (62-1)	Preliminary Analysis	51059401	Univertical LLC	OWN	
830.1750 (62-2)	Certified Limits	51059401	Univertical LLC	OWN	
830.1800 (62-3)	Enforcement Analytical Method	51059401	Univertical LLC	OWN	
830.1900 [64-1]	Submittal of Samples	51059401	Univertical LLC	OWN	Available upon request
830.6302 (63-2)	Color	45495302	Roebic Laboratories, Inc.	OLD	
830.6303 (63-3)	Physical state	45026802	Emron Corporation	OLD	
830.6304 (63-4)	Odor	45495302	Roebic Laboratories, Inc.	OLD	
830.6313 (63-13)	Stability to Normal and Elevated Temperature Metals and Metal Ions	44573801	Griffin LLC	OLD	

Signature		Name and Title	Rebecca Mannion, Agent	Date	5/12/2020
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Ingredient	Copper Sulfate Pentahydrate (PC 024401)			

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6314 (63-14)	Oxidation/Reduction: Chemical Incompatibility	45026802	Emron Corporation	OLD	
830.6315 (63-15)	Flammability	51059401	Univertical LLC	OWN	
830.6316 (63-16)	Explodability	51059401	Univertical LLC	OWN	
830.6317 (63-17)	Storage Stability	45314101	Emron Corporation	OLD	
830.6319 (63-19)	Miscibility	51059401	Univertical LLC	OWN	
830.6320 (63-20)	Corrosion Characteristics	45314101	Emron Corporation	OLD	
830.6321 (63-21)	Dielectric Breakdown Voltage	51059401	Univertical LLC	OWN	
830.7000 (63-12)	pH	45026802	Emron Corporation	OLD	
830.7050 [None]	UV/Visible Absorption	51059401	Univertical LLC	OWN	
830.7100(63-18)	Viscosity	51059401	Univertical LLC	OWN	
830.7200 (63-5)	Melting Point/ Melting Range	51059401	Univertical LLC	OWN	
830.7220 (63-6)	Boiling Point/Boiling Range	51059401	Univertical LLC	OWN	
830.7300 (63-7)	Density/Relative Density/Bulk Density	45026802	Emron Corporation	OLD	

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Applicant's/Registrant's Name & Address	Univertical LLC 203 Weatherhead St. Angola, IN 46703	Product	Copper Sulfate Pentahydrate Crystals	

Ingredient Copper Sulfate Pentahydrate (PC 024401)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7370 (63-10)	Dissociation Constants in Water	51059401	Univertical LLC	OWN	
830.7520 [None]	Particle Size Fiber Length and Diameter Distribution	51059401	Univertical LLC	OWN	
830.7550 (63-11) 830.7560 (63-11) 830.7570 (63-11)	Partition Coefficient (n-Octanol/Water)	51059401	Univertical LLC	OWN	
830.7840 (63-8) 830.7860 (63-8)	Water Solubility	51059401	Univertical LLC	OWN	
830.7950 (63-9)	Vapor Pressure	51059401	Univertical LLC	OWN	
	Acute Toxicity				
870.1100 (81-1)	Acute oral toxicity, rat	RED	Revised May 2009 Registration Eligibility Document for Coppers	PL	
870.1200 (81-2)	Acute dermal toxicity, rat	RED	Revised May 2009 Registration Eligibility Document for Coppers	PL	
870.1300 (81-3)	Acute inhalation toxicity, rat	Cite-All		PAY	
870.2400 (81-4)	Primary eye irritation, rabbit	RED	2006 Registration Eligibility Document for Coppers	PL	
870.2500 (81-5)	Primary dermal irritation, rabbit	RED	2006 Registration Eligibility Document for Coppers	PL	

Signature 

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.2600 (81-6)	Dermal Sensitization (Local Lymph Node Assay (LLNA) in Mice)	Cite-All		PAY	

Signature		Name and Title	Rebecca Mannion, Agent	Date	5/12/2020
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